

## Patent Claims

1. A device for generating an oscillator signal (s) based on a base signal (sH) with
- 5 - an oscillator (SHFO) for actively constructing the oscillator signal (s) by means of oscillations,
  - an input (ANT<sub>s</sub>) for the base signal (sH) and
  - an output (ANT<sub>s</sub>) for the oscillator signal (s) generated,
  - whereby the oscillator (SHFO) is rendered capable of being
  - 10 activated in a quasi-phase-coherent manner with the aid of a control signal (S01, 0/1) generated by a clock generator (TGEN) and is capable of being activated in a quasi-phase-coherent manner with respect to the base signal (sH) by means of the base signal (sH) for generating the oscillator signal (s),
  - 15 characterized by the fact that the device is adapted as a transceiver
  - where the device (TC) is used as a receiver (E) if the oscillator (HFO) is not modulated by the clock generator TGEN,
  - and where the device (TC) is used as a transmitter (S) if the
  - 20 oscillator (HFO) is modulated by the clock generator in its quasi-phase-coherent activation capability and in its amplitude, phase and/or frequency.
2. A method for transmitting data with a device (TC) for generating
- 25 an oscillator signal (s) based on a base signal (sH) with
  - an oscillator (SHFO) for actively constructing the oscillator signal (s) by means of oscillations,
  - an input (ANT<sub>s</sub>) for the base signal (sH) and
  - an output (ANT<sub>s</sub>) for the oscillator signal (s) generated,
  - 30 - whereby the oscillator (SHFO) is rendered capable of being activated in a quasi-phase-coherent manner with the aid of a control signal (S01, 0/1) generated by a clock generator (TGEN) and is capable of being activated in a quasi-phase-coherent manner with respect to the base signal (sH) by means of the base signal (sH) for
  - 35 generating the oscillator signal (s)

characterized by the fact

that the device is switched between use as a receiver (E) and as a transmitter (S)

- in that the oscillator (HFO) is not modulated by the clock generator TGEN if the device (TC) is used as a receiver (E),
- and in that the oscillator (HFO) is modulated by the clock generator in its quasi-phase-coherent activation capability and in its amplitude, phase and/or frequency if the device (TC) is used as a transmitter (S).